FIG. 1

DISK DRIVE OVERVIEW &COMPUTER INTERFACE

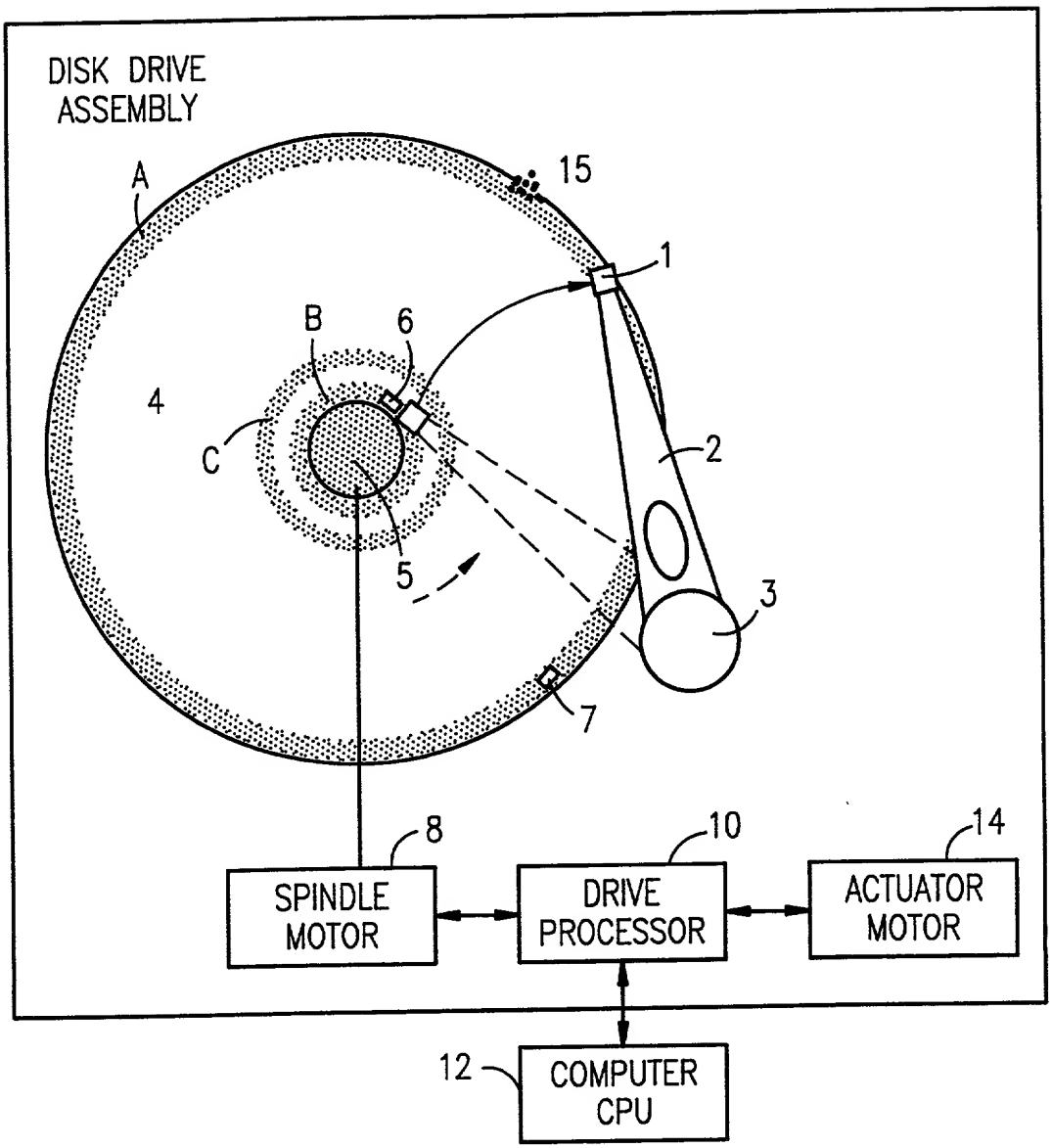


FIG. 2

DUAL ACCESS READ–NO LATENCY

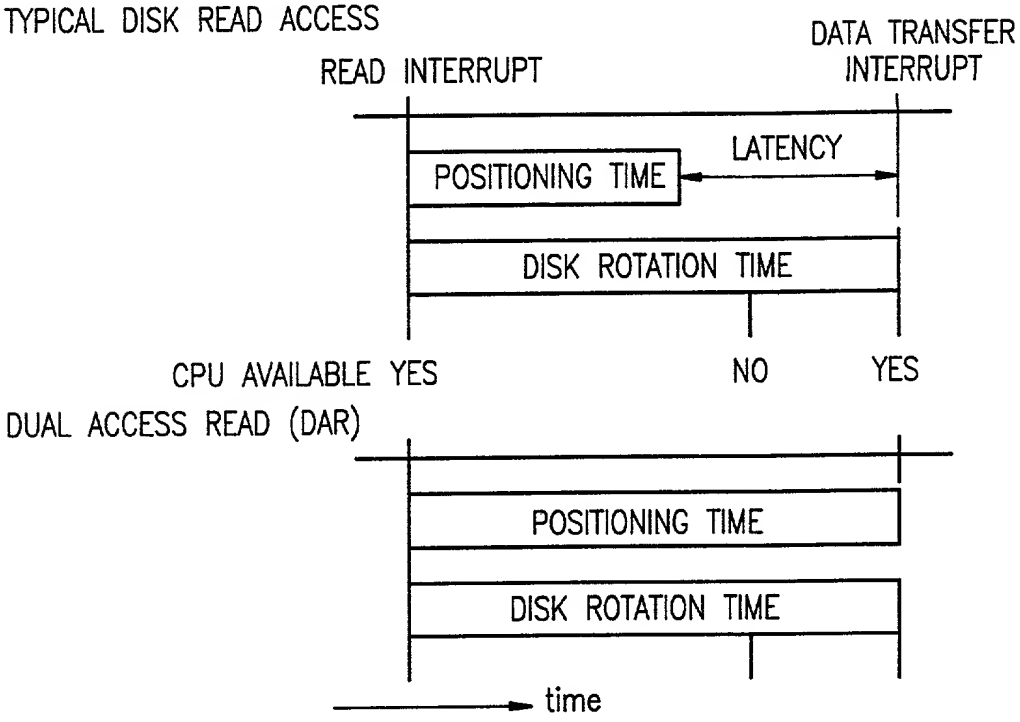


FIG. 3

AMPLIFYING POSITIONING VARIANCE–MEASURE REVOLUTION TIME

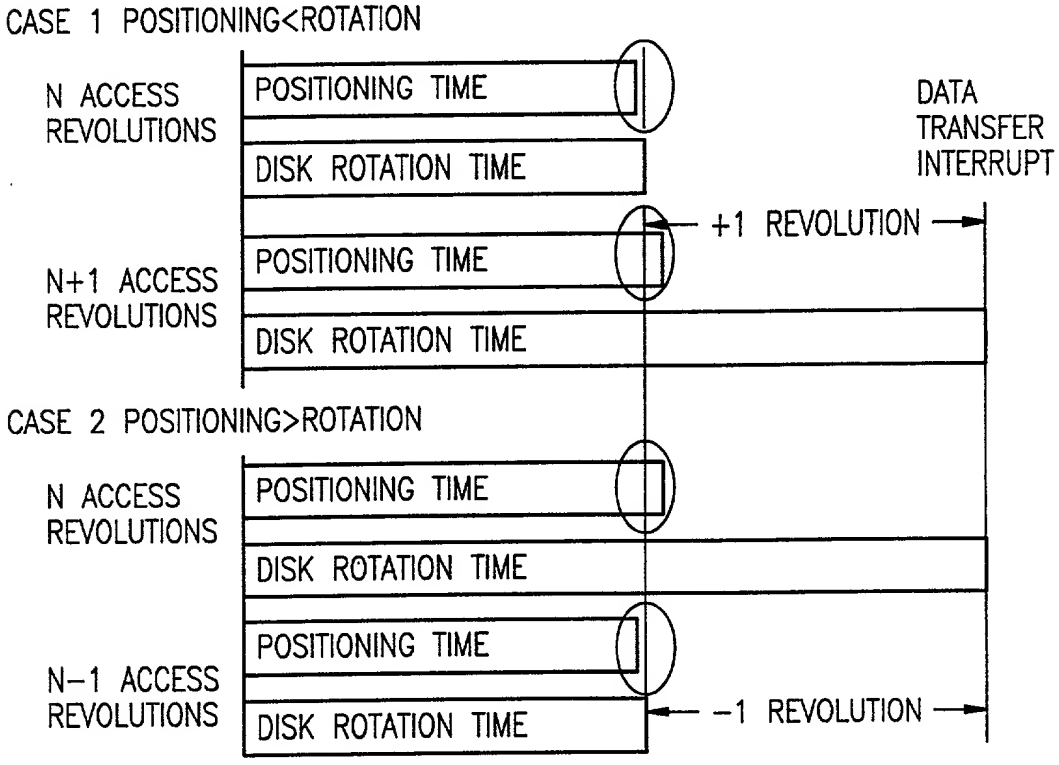
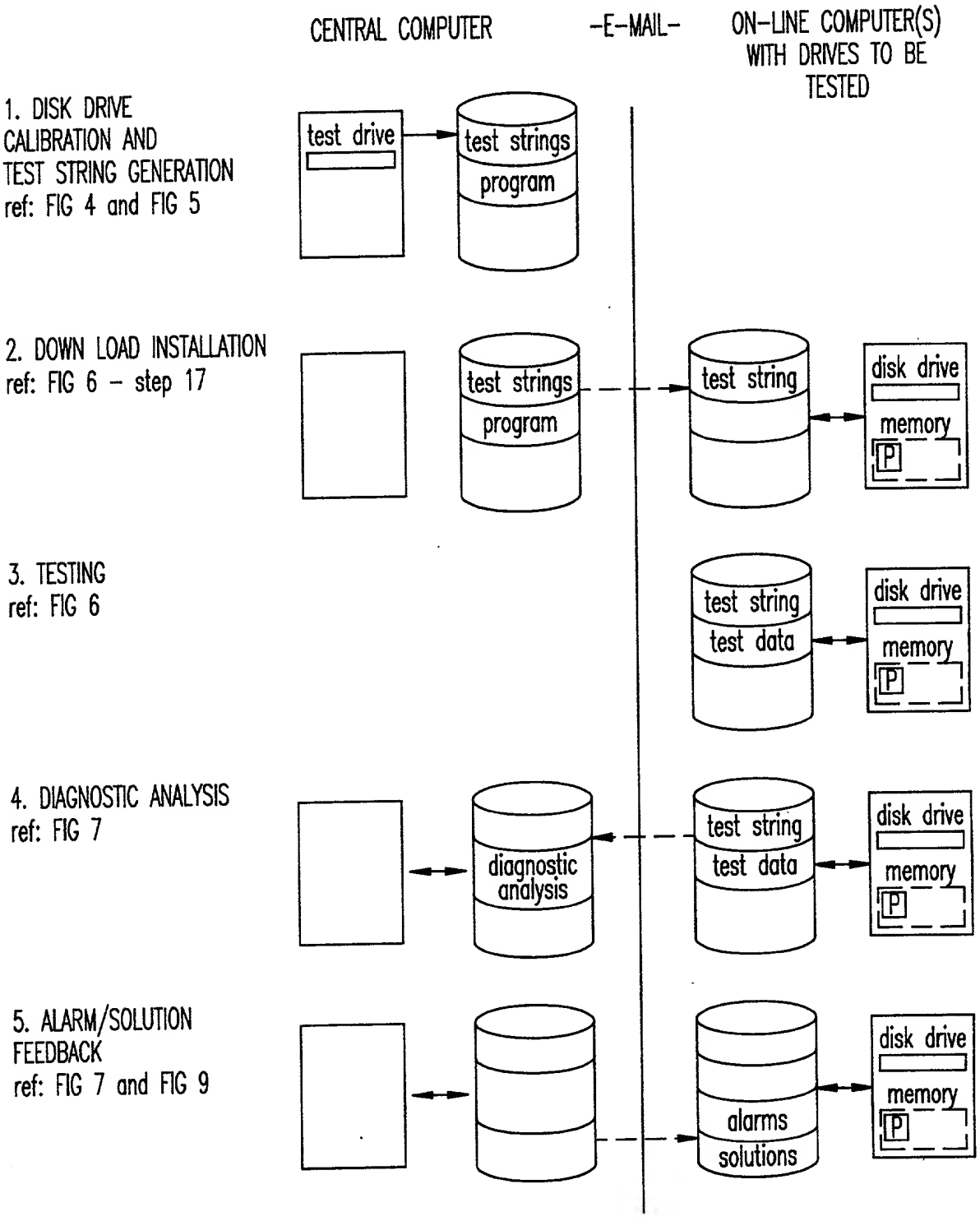


FIG. 3a PREFERRED EMBODIMENT

FOR PROVIDERS OF WARRANTY SERVICE AND
REPLACEMENT COMPUTER PRODUCTS



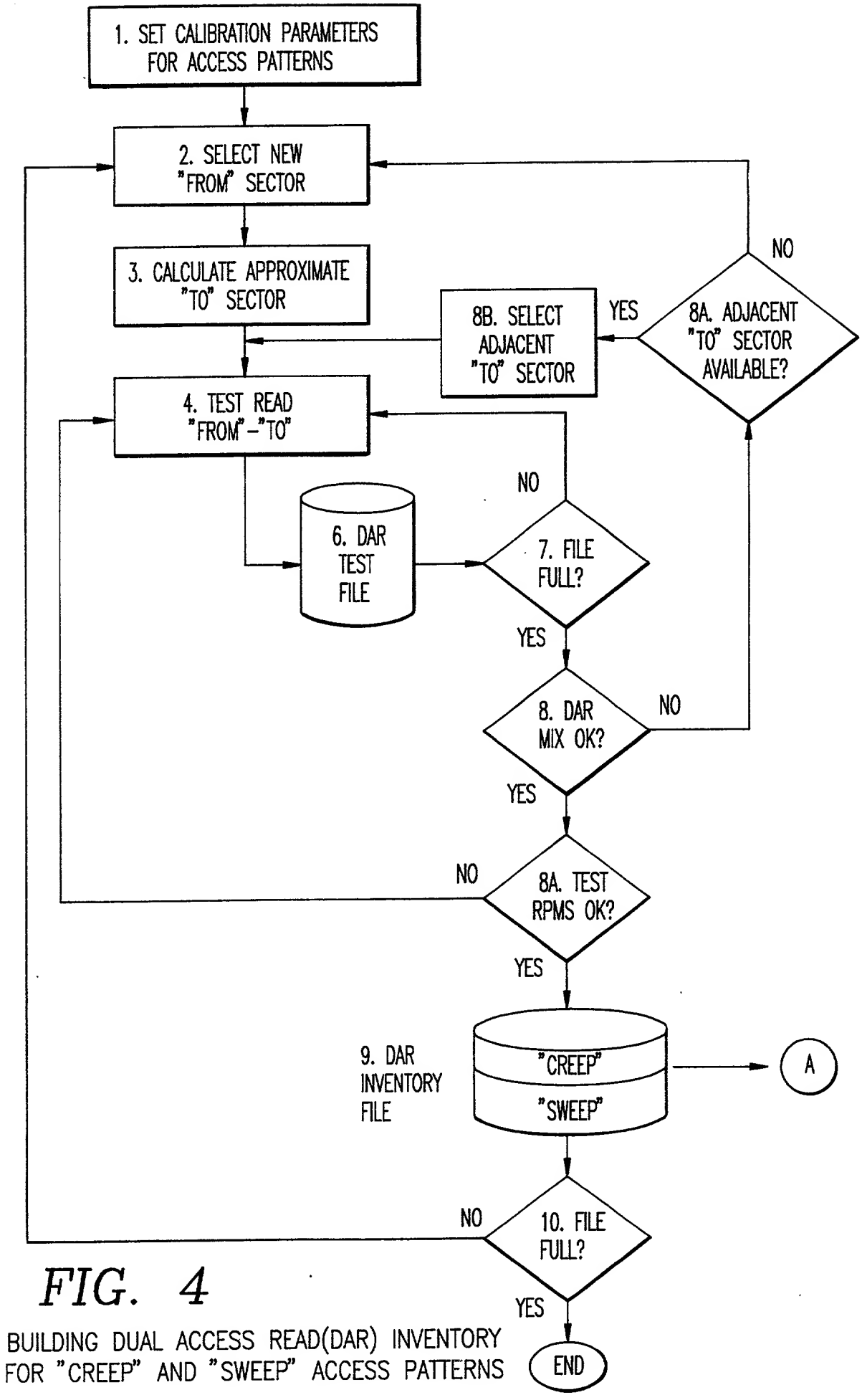


FIG. 4

BUILDING DUAL ACCESS READ(DAR) INVENTORY FOR "CREEP" AND "SWEEP" ACCESS PATTERNS

FIG. 5

GENERATING AND CALIBRATING READ TEST STRINGS

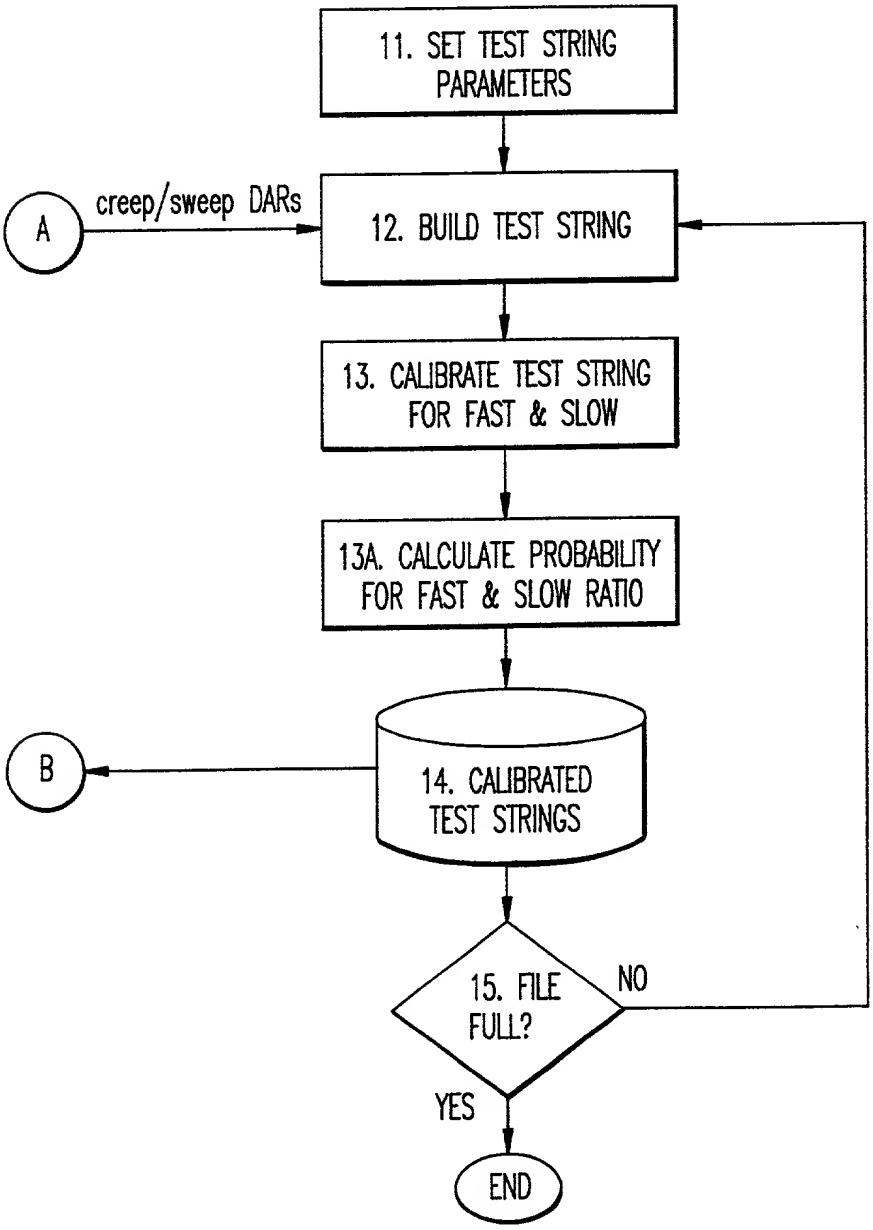


FIG. 6

TEST DATA ACQUISITION

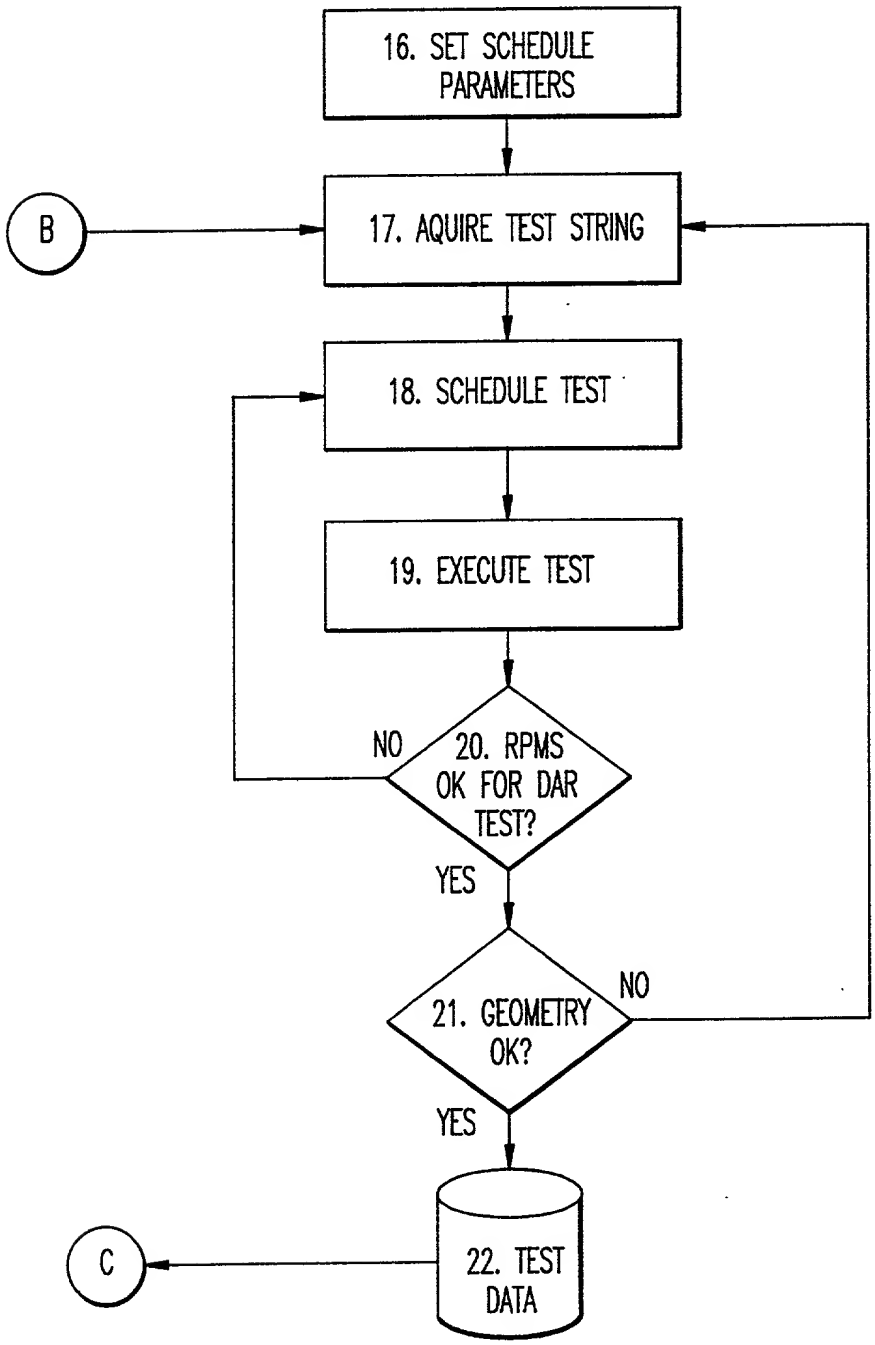


FIG. 7

TEST ANALYSIS AND FAULT SOLUTIONS

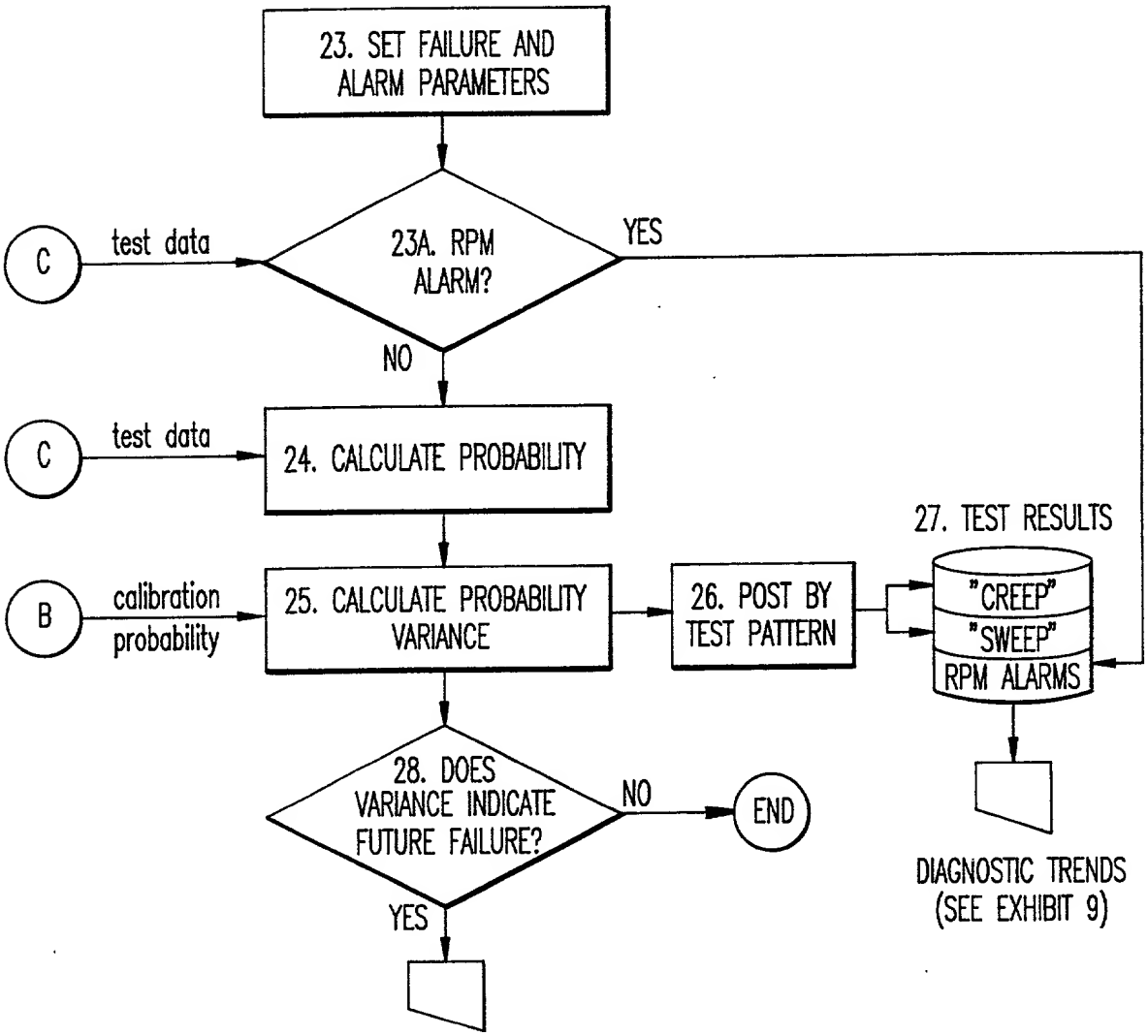
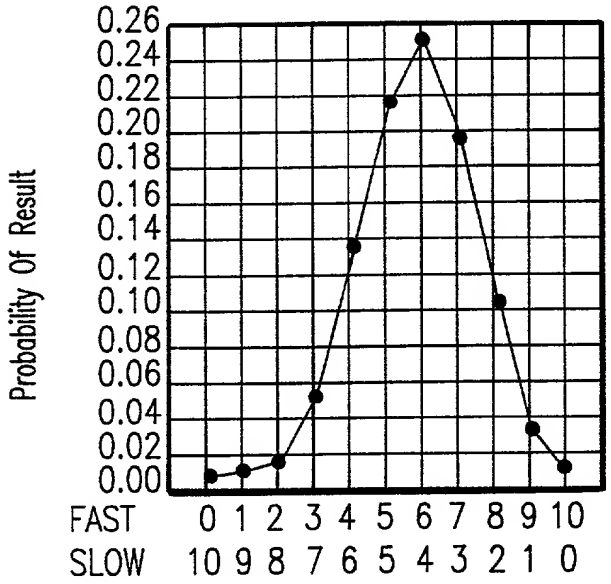


FIG. 8

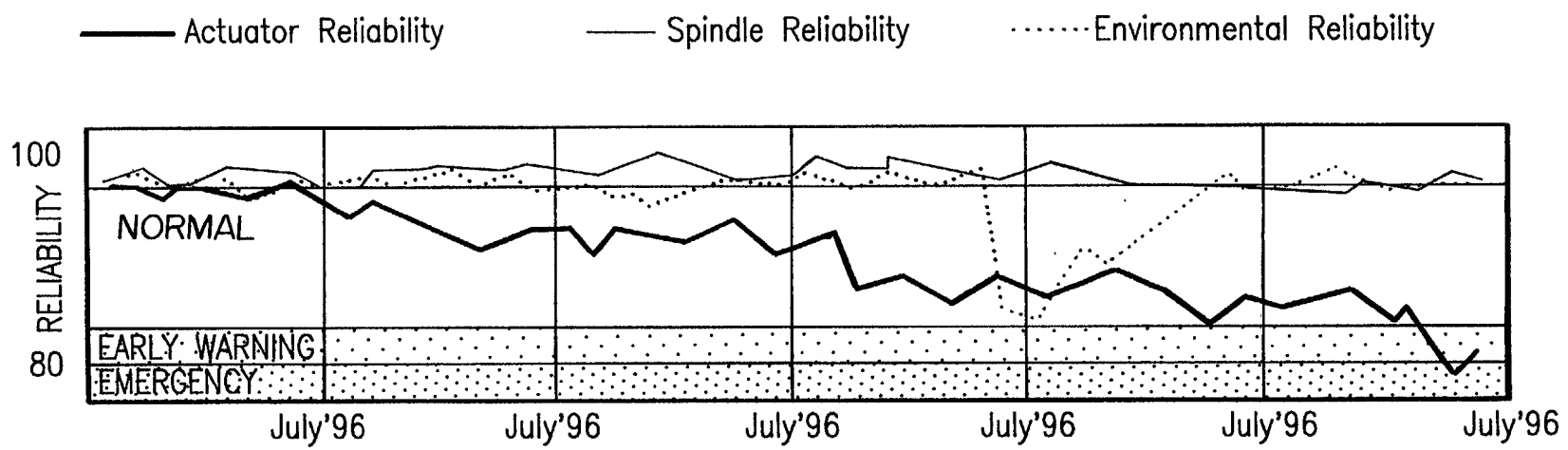
PROBABILITY OF 10–DAR MEASUREMENT
READ CALIBRATION: 58% FAST, 42% SLOW



The probability sum of the 11 possible outcomes is 100%

FIG. 9

DIAGNOSTIC DRIVE RELIABILITY TRENDS



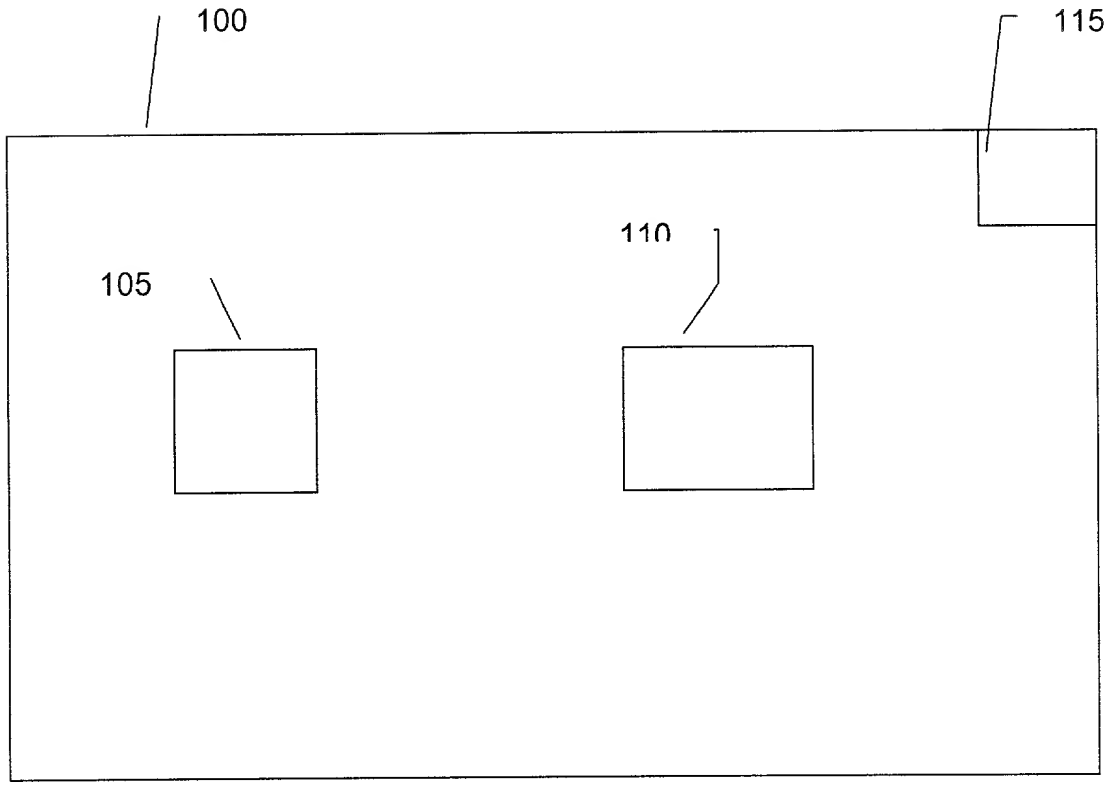


FIGURE 10

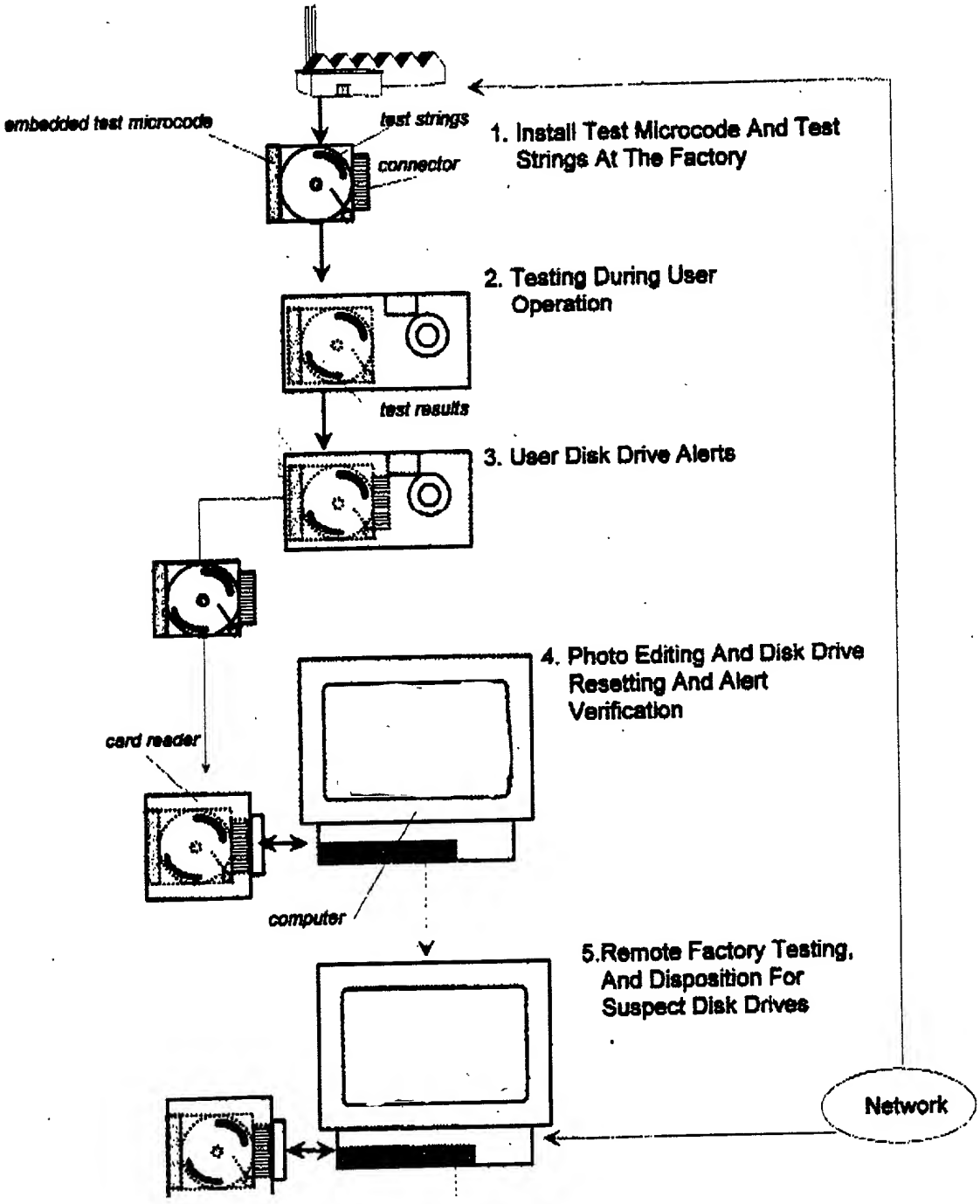

embedded test microcode
test strings
connector
1. Install Test Microcode And Test Strings At The Factory
2. Testing During User Operation
test results
3. User Disk Drive Alerts
4. Photo Editing And Disk Drive Resetting And Alert Verification
card reader
computer
5.Remote Factory Testing, And Disposition For Suspect Disk Drives
Network

FIGURE 11

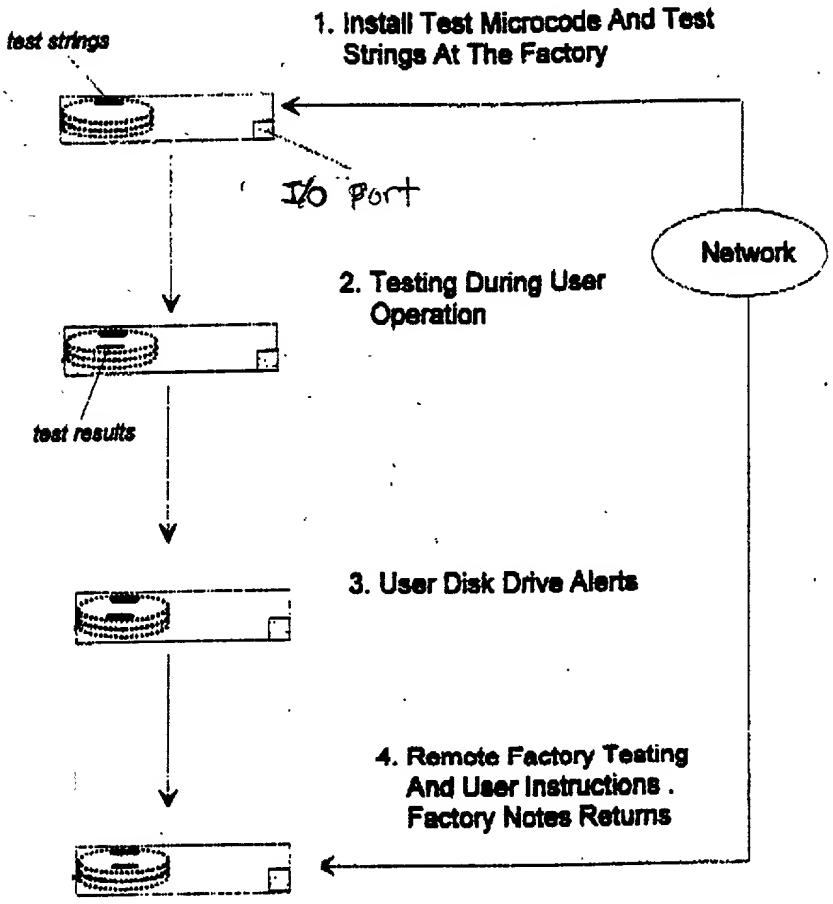

test strings
1. Install Test Microcode And Test Strings At The Factory
I/O Port
Network
2. Testing During User Operation
test results
3. User Disk Drive Alerts
4. Remote Factory Testing And User Instructions . Factory Notes Returns

FIGURE 12